

Construct side road approaches as shown
See typical side road approach details

Sta.	B.C. area	A.C. area	Exc.	Emb.
Lt. 66+50	271 sq.	278 sq.	0	275 c.y.
Rt. 66+50	74 sq.	68 sq.	0	3 c.y.
Lt. 89+50	47 sq.	43 sq.	0	162 c.y.

Install wood guard rail w/ conc. posts
Rt. Sta. 80+00 to Sta. 82+12
Rt. Sta. 82+88 to Sta. 87+30-38
Lt. Sta. 82+28 to Sta. 83+00-07
Lt. Sta. 83+91 to Sta. 89+40
Est. Quant. = 1253 lin. ft.

For water line relocation
in vicinity of Sta. 86+00
see sheet No. 6008.12

Sta. 83+50.00 - Lt. side
Construct connection to Anahole
Beach Road. For est. quant.
& details see sheet No. 6008.7

Construct Type "A" cast-in-place
conc. gutters.
Sta. 68+00 to Sta. 81+00 Lt. side
Sta. 68+00 to Sta. 81+00 Rt. side
Est. Quant. = 2688 lin. ft.
For details see sheet No. 3970.2

Sta. 81+90
Install 24" E.S.R.C.C. pipe
w/c.c. 1-C.D.I. & 1-C.H.W.
Est. Quant.
Struc. Exc. = 33 c.y.
24" Conc. Pipe = 752 lin. ft.

Class "B-1" Conc. = 6.5 c.y.
Reinf. Steel = 12 lbs.
Channel Exc. = 340 c.y.
C.R.M. = 2.5 c.y.

Sta. 88+00
Install 48" E.S.R.C.C. Pipe
w/c.c. 1-C.H.W. & 1-C.B.O.
Est. Quant.
Struc. Exc. = 1378 c.y.
48" Conc. Pipe = 92 lin. ft.
Class "A-1" Conc. = 346 c.y.
Class "B-1" Conc. = 761 c.y.
Reinf. Steel = 1385 lbs.

CURVE DATA
 $\Delta = 33^\circ 21'$
 $\frac{1}{2} \Delta = 16^\circ 40' 30''$
 $R = 860.00'$
 $T = 257.60'$
 $L = 500.58'$
 $C = 493.54'$
 $S.E. = 0.11 \frac{ft}{ft}$

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-055(17)	1958	3	54

Sta. 85+00 to 88+20 Lt. Side
Excavate drainage swale.
Quant. is included in Roadway
Exc. See typical section
this sheet.

Sta. 89+50 Lt. Side
Install 48" E.S.R.C.C.
Pipe w/c.c. for drain
ditch - 2 C.H.W.
Est. Quant.
Struc. Exc. = 15 c.y.
48" Conc. Pipe = 92 lin. ft.
Class "B-1" Conc. = 221 c.y.
Reinf. Steel = 156 lbs.
C.R.M. = 2 c.y.

Sta. 87+52 Rt. side
Construct 5'x5' reinf. conc. box
culvert under driveway.
Remove existing wooden bridge.
Drainage area = 82 ac.
For est. quant. & details
see sheet No. 6008.23

Sta. 82+00 to Sta. 87+80 - Rt. side
Excavate drainage canal
as shown. Quant. is included
in Ditch & Channel Exc.
See typical section this sheet.

Sta. 82+50 - Rt. Side
Construct 5'x5' Reinf.
Conc. Box Culvert under
Road Connection.
Drainage area = 80 ac.
For Est. Quant. & Details
See Sheet No. 6008.22

Sta. 74+00 to Sta. 78+80 - Rt. side
Excavate drain ditch at R/W
as shown. Quant. is included
in Ditch & Channel Exc.
See typical section this sheet

Sta. 66+70 to Sta. 81+00 - Lt. Side
Sta. 66+70 to Sta. 79+00 - Rt. Side
Construct 72" Chain
Link Fence along
R/W Lines.
Est. Quant. = 27615
see sheet No. 6008.6

Construct furrow ditches
Sta. 66+80 to Sta. 74+00 - Rt. side
Sta. 79+00 to Sta. 81+90 - Lt. side
Est. Quant. = 15 c.y.

TYPICAL SECTION DRAINAGE SWALE
STA. 85+00 TO STA. 88+20
Scale: $\frac{3}{8}" = 1'-0"$
(TO BE PAID FOR UNDER ROADWAY EXC.)

TYPICAL SECTION DRAINAGE CANAL
STA. 82+00 TO STA. 87+80
Scale: $\frac{3}{8}" = 1'-0"$
(TO BE PAID UNDER DITCH & CHANNEL EXC.)

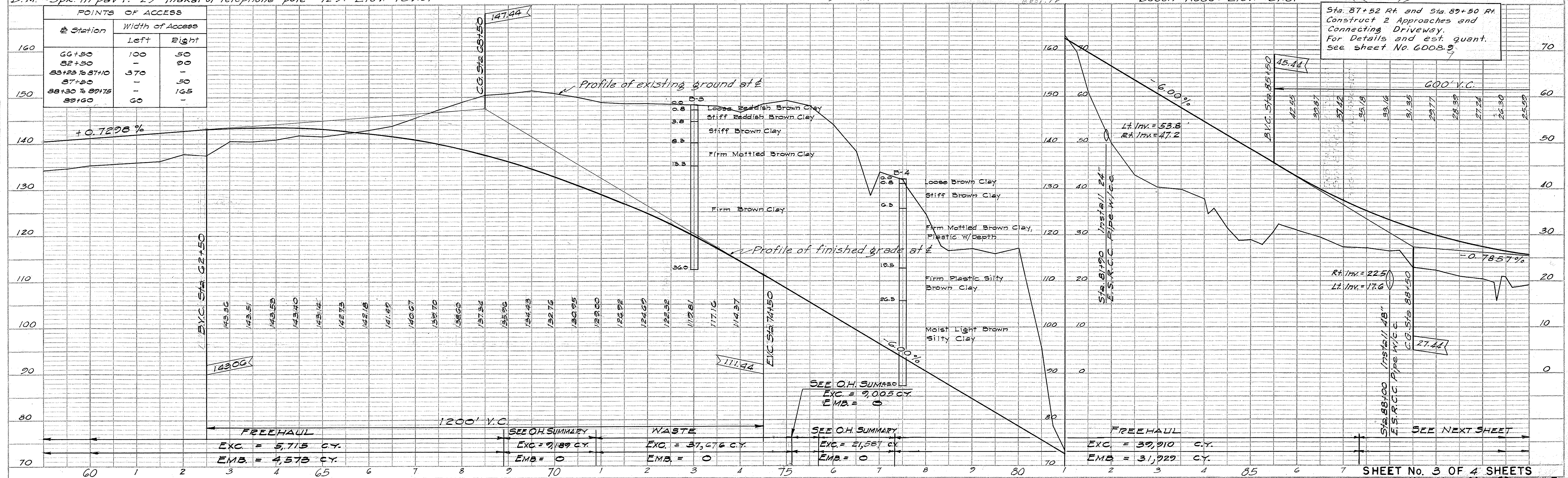
Building, C & D
to be moved
For details see Sheet No.
6008.17 & 6008.18

CURVE DATA
 $\Delta = 23^\circ 35'$
 $\frac{1}{2} \Delta = 11^\circ 47' 30''$
 $R = 3000.00'$
 $T = 626.68'$
 $L = 1234.82'$
 $C = 1226.12'$
 $S.E. = 0.044 \frac{ft}{ft}$

TYPICAL SECTION DRAIN DITCH
STA. 74+00 TO STA. 78+80
Scale: $\frac{1}{4}" = 1'-0"$
(TO BE PAID FOR UNDER DITCH & CHANNEL EXC.)

B.M. - Spk. in pav't. 22' makai of telephone pole #129. Elev. = 139.07

POINTS OF ACCESS		
Station	Width of Access	
	Left	Right
66+50	100	50
82+50	-	90
83+28 to 87+10	370	-
87+50	-	50
88+30 to 89+75	-	165
89+60	60	-



Sta. 87+52 Rt. and Sta. 89+50 Rt.
Construct 2 Approaches and
Connecting Driveway.
For Details and est. quant.
see sheet No. 6008.2

FREEHAUL
Exc. = 37,910 c.y.
Emb. = 31,929 c.y.

SEE O.H. SUMMARY
Exc. = 21,587 c.y.
Emb. = 0

WASTE
Exc. = 37,676 c.y.
Emb. = 0

SEE O.H. SUMMARY
Exc. = 7,189 c.y.
Emb. = 0

FREEHAUL
Exc. = 5,715 c.y.
Emb. = 4,575 c.y.

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	GRADES CHECKED	<i>E.N.</i>	<i>Oct 57</i>
NO.	B. M.S. NOTED		
	STRUCTURE NOTED	AS CHD.	

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-056-117	1958	5	54

